

Application Number: 10/573,052

Examiner: HAVLIN, ROBERT H

IN THE CLAIMS

Please amend the claims of the present application under the provisions of 37 C.F.R. §1.121(c), as indicated below:

1. (Cancelled):

2. (Previously presented): The derivatives according to claim 17, characterized in that the compound having formula (I) are present as tautomeric forms, pure or as blends of tautomeric forms, in any proportion whatsoever

3-12 (Cancelled):

13. (Currently amended): Herbicidal compositions containing, one or more compounds having general formula (I):



wherein A, B and R have the meanings according to claim [[18]] 17, possibly also as a blend of tautomers.

14. (Currently amended): The herbicidal compositions according to claim 13, including other herbicides, fungicides, insecticides, acaricides, fertilizers, compatible with the compounds having general formula (I).

15. (Original): The herbicidal compositions according to claim 14, characterized in that the additional herbicides are selected from:  
acetochlor, acifluorfen, acetonitrile, AKH-7088, alachlor, alloxymid, ametryn, amicarbazone, amidosulfuron, amitrole, anilofos, asulam, atrazine, azafenidin,

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azimsulfuron, aziprotryne, BAS 670 H, BAY MKH 6561, beflubutamid, benazolin, benfluralin, benfuresate, bensulfuron, bensulide, bentazone, bonzfendazole, benzobicyclon, benzo fenap, benzthiazuron, bifenox, bilanafos, bispyribac-sodium, bromacil, bromobutide, bromofenoxim, bromoxynil, butachlor, butafenacil, butamifos, butenachlor, butralin, butoxydim, butylate, cafenstrole, carbetamide, carfentrazone-ethyl, chlomethoxyfen, chloramben, chlorbromuron, chlorbufam, chlorflurenol, chloridazon, chlorimuron, chlornitrofen, chlorotoluron, chloroxuron, chlorpropham, chlorsulfuron, chlorthal, chlorthiamid, cinidon ethyl, cinmethylin, cinosulfuron, clethodim, clodinafop, clomazone, clomeprop, clopyralid, cloransulam-methyl, cumyluron (JC-940), cyanazine, cycloate, cyclosulfamuron, cycloxydim, cyhalofop-butyl, 2,4-D, 2,4-DB, daimuron, dalapon, desmedipham, desmetryn, dicamba, dichlobenil, dichlorprop, dichlorprop-P, diclofop, diclosulam, diethatyl, difenoxuron, difenzoquat, diflufenican, diflufenzopyr, dimefuron, dimepicate, dimethachlor, dimethametryn, dimethenamid, dinitramine, dinoseb, dinoseb acetate, dinoterb, diphenamid, dipropetryn, diquat, dithiopyr, 1-diuron, eglinazone, endothal, EPTC, esprocarb, ethalfluralin, ethametsulfuron-methyl, ethidimuron, ethiozin (SMY 1500), ethofumesate, ethoxyfen-ethyl (HC-252), ethoxysulfuron, etobenzanid (HW 52), fenoxaprop, fenoxaprop-P, fentazamide, fenuron, flamprop, flamprop-M, flazasulfuron, florasulam, fluzifop, fluzifop-P, fluzolate (JV 485), flucarbazone-sodium, fluchloralin, flufenacet, flufenpyr ethyl, flumetsulam, flumiclorac-pentyl, flumioxazin, flumipropin, fluometuron, fluoroglycofen, fluoronitrofen, flupoxam, fluproanate, flupyrsulfuron, flurenol, fluridone, flurochloridone, fluroxypyr, flurtamone, fluthiacet-methyl, fomesafen, foramsulfuron, fosamine, furyloxyfen, glufosinate, glyphosate, halosulfuron-methyl, haloxyfop, haloxyfop-P-methyl, hexazinone, imazamethabenz, imazamox, imazapic, imazapyr, imazaquin, imazethapyr, imazosulfuron, indanofan, iodosulfuron, ioxynil, isopropalin, isoproturon, isouron, isoxaben, isoxachlortole, isoxaflutole, isoxapyrifop, KPP-421, lactofen, lenacil, linuron, LSS30556, MCPA, MCPA-thioethyl, MCPB, mecoprop, mecoprop-P, mefenacet, mesosulfuron, mesotrione, metamilon, metazachlor,

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methabenzthiazuron, methazole, methoprotryne, methyldymron, metobenzuron, metobromuron, metolachlor, S-metolachlor, metosulam, metoxuron, metribuzin, metsulfuron, molinate, monalide, monolinuron, naproanilide, napropamide, naptalam, NC-330, neburon, nicosulfuron, nipyraclufen, norflurazon, orbencarb, oryzalin, oxadiargyl, oxadiazon, oxasulfuron, oxazicloromefone, oxyfluorfen, paraquat, pebulate, pendimethalin, penoxsulam, pentanochlor, pentoxazone, pethoxamid, phenmedipham, picloram, picolinafen, piperophos, pretilachlor, primisulfuron, prodiamine, profluzol, proglazine, prometon, prometryne, propachlor, propanil, propaquizafop, propazine, propham, propisochlor, propyzamide, prosulfocarb, prosulfuron, pyraclostrobin, pyraflufen-ethyl, pyrazogyl (HAS-961), pyrazolynate, pyrazosulfuron, pyrazoxyfen, pyribenzoxim, pyributicarb, pyridafol, pyridate, pyrifthalid, pyriminobac-methyl, pyriothiac-sodium, quinclorac, quinmerac, quizalofop, quizalofop-P, rimsulfuron, sethoxydim, siduron, simazine, simetryn, sulcotrione, sulfentrazone, sulfometuron-methyl, sulfosulfuron, 2,3,6-TBA, TCA-sodium, tebutam, tebuthiuron, tepraloxym, terbacil, terbumeton, terbuthylazine, terbutryn, thenylchlor, thiazafuron, thiazopyr, thidiazimin, thifensulfuron-methyl, thiobencarb, tiocarbazil, tioclorim, tralkoxydim, tri-allate, triasulfuron, triaziflam, tribenuron, triclopyr, trietazine, trifloxysulfuron, trifluralin, triflurosulfuron-methyl, tritosulfuron, UBI-C4874, vernolate.

16. (Original): The compositions according to any of the claims 13-15, characterized in that the concentration of active substance ranges from 1 to 90%.

17. (New): Derivatives of 1,3-diones having general formula (I):

(I)



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wherein:

-A represents:

an aryl group optionally substituted by one or more substituents selected from halogen; NO<sub>2</sub>; CN; CHO; OH; linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl; linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkyl; linear or branched C<sub>1</sub>-C<sub>6</sub> alkoxy; linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkoxy; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl; C<sub>2</sub>-C<sub>6</sub> alkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> alkylthioalkyl; C<sub>2</sub>-C<sub>6</sub> alkylsulfinylalkyl; C<sub>2</sub>-C<sub>6</sub> alkylsulfonylalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylthioalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylsulfinylalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylsulfonylalkyl; C<sub>2</sub>-C<sub>6</sub> alkoxyalkoxy or C<sub>2</sub>-C<sub>6</sub> haloalkoxyalkoxy optionally substituted with a group selected from C<sub>1</sub>-C<sub>4</sub> alkoxy or C<sub>1</sub>-C<sub>4</sub> haloalkoxy; C<sub>2</sub>-C<sub>6</sub> alkylthioalkoxy; C<sub>2</sub>-C<sub>6</sub> haloalkylthioalkoxy; C<sub>3</sub>-C<sub>12</sub> dialkoxyalkyl; C<sub>3</sub>-C<sub>12</sub> dialkylthioalkyl; C<sub>3</sub>-C<sub>12</sub> dialkylthioalkoxy; C<sub>3</sub>-C<sub>12</sub> dialkoxyalkoxy; C<sub>2</sub>-C<sub>6</sub> haloalkoxyhaloalkoxy; C<sub>3</sub>-C<sub>10</sub> alkoxyalkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>6</sub> haloalkenyl; C<sub>2</sub>-C<sub>6</sub> alkenyloxy; C<sub>2</sub>-C<sub>6</sub> haloalkenyloxy; C<sub>3</sub>-C<sub>8</sub> alkenyloxyalkoxy; C<sub>3</sub>-C<sub>8</sub> haloalkenyloxyalkoxy; C<sub>2</sub>-C<sub>6</sub> alkynyl; C<sub>2</sub>-C<sub>6</sub> haloalkynyl; C<sub>2</sub>-C<sub>6</sub> alkynyloxy; C<sub>2</sub>-C<sub>6</sub> haloalkynyloxy; C<sub>3</sub>-C<sub>8</sub> alkynyloxyalkoxy; C<sub>3</sub>-C<sub>8</sub> haloalkynyloxyalkoxy; C<sub>3</sub>-C<sub>12</sub> acylaminoalkoxy; C<sub>2</sub>-C<sub>8</sub> alkoxyiminoalkyl; C<sub>2</sub>-C<sub>8</sub> haloalkoxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> alkenyloxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> haloalkenyloxyiminoalkyl; C<sub>3</sub>-C<sub>10</sub> alkoxyalkynyloxy; C<sub>6</sub>-C<sub>12</sub> cycloalkylideneiminoalkoxy; C<sub>6</sub>-C<sub>12</sub> dialkylideneiminoalkoxy; -S(O)<sub>m</sub>R<sub>1</sub>; -OS(O)<sub>n</sub>R<sub>1</sub>; -SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>; -CO<sub>2</sub>R<sub>4</sub>; -COR<sub>5</sub>; -CONR<sub>6</sub>R<sub>7</sub>; -CSNR<sub>8</sub>R<sub>9</sub>; -NR<sub>10</sub>R<sub>11</sub>; -NR<sub>12</sub>COR<sub>13</sub>; -NR<sub>14</sub>CO<sub>2</sub>R<sub>15</sub>; -NR<sub>16</sub>CONR<sub>17</sub>R<sub>18</sub>; -PO(R<sub>19</sub>)<sub>2</sub>; -Q; -ZQ<sub>1</sub>; -(CR<sub>20</sub>R<sub>21</sub>)pQ<sub>2</sub>; -Z(CR<sub>22</sub>R<sub>23</sub>)pQ<sub>3</sub>; -(CR<sub>24</sub>R<sub>25</sub>)pZQ<sub>4</sub>; -(CR<sub>26</sub>R<sub>27</sub>)pZ(CR<sub>28</sub>R<sub>29</sub>)qQ<sub>5</sub>; -(CR<sub>30</sub>R<sub>31</sub>)pZ(CR<sub>32</sub>R<sub>33</sub>)qZ<sub>1</sub>Q<sub>6</sub>; -Z<sub>2</sub>(CR<sub>34</sub>R<sub>35</sub>)p(C≡Y)T; -Z<sub>3</sub>(CR<sub>36</sub>R<sub>37</sub>)v(CR<sub>38</sub>R<sub>39</sub>=CR<sub>40</sub>R<sub>41</sub>)(C≡Y)T<sub>1</sub>;

or it represents a heterocyclic group selected from pyridyl; pyrimidyl; quinolinyl; pyrazolyl; thiazolyl; oxazolyl; thienyl; furyl; benzothienyl; dihydrobenzothienyl; benzofuranyl; dihydrobenzofuranyl; benzoxazolyl; benzoxazolonyl; benzothiazolyl;

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benzothiazolonyl; benzoimidazolyl; benzoimidazolonyl; benzotriazolyl; chromanonyl; chromanyl; thiochromanonyl; thiochromanyl;

3a,4-dihydro-3H-indeno[1,2-c]isoxazolyl, 3a,4-dihydro-3H-chromeno[4,3-c]isoxazolyl, 5,5-dioxide-3a,4-dihydro-3H-thiochromeno[4,3-c]isoxazolyl, 2,3,3a,4-tetrahydrochromeno[4,3-c]pyrazolyl, 6,6-dioxide-2,3-dihydro-5H-[1,4]dithiino[2,3-c]thiochromenyl, 5,5-dioxide-2,3,3a,4-tetrahydrothiochromeno[4,3-c]pyrazolyl, 1',1'-dioxide-2',3'-dihydrospiro[1,3-dioxolano-2,4'-thiochromen]-yl, 1,1,4,4-tetraoxide-2,3-dihydro-1,4-benzodithiin-6-yl, 4,4-dioxide-2,3-dihydro-1,4-benzoxathiin-7-yl, 1,1-dioxide-3-oxo-2,3-dihydro-1,2-benzoisothiazol-5-yl, 4-(alkoxyimino)-1,1-dioxide-3,4-dihydro-2H-thiochromen-6-yl, 1,1-dioxide-4-oxo-3,4-dihydro-2H-thiochromen-6-yl, 2,3-dihydro-1,4-benzoxathiin-7-yl, with said heterocyclic groups optionally substituted by one or more substituents selected from halogen; NO<sub>2</sub>; CN; CHO; OH; linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl; linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkyl; linear or branched C<sub>1</sub>-C<sub>6</sub> alkoxy; linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkoxy; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl; C<sub>2</sub>-C<sub>6</sub> alkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> alkylthioalkyl; C<sub>2</sub>-C<sub>6</sub> alkyl sulfinylalkyl; C<sub>2</sub>-C<sub>6</sub> alkylsulfonylalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylthioalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylsulfinylalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylsulfonylalkyl; C<sub>2</sub>-C<sub>6</sub> alkoxyalkoxy or C<sub>2</sub>-C<sub>6</sub> haloalkoxyalkoxy optionally substituted with a group selected from C<sub>1</sub>-C<sub>4</sub> alkoxy or C<sub>1</sub>-C<sub>4</sub> haloalkoxy; C<sub>2</sub>-C<sub>6</sub> alkylthioalkoxy; C<sub>2</sub>-C<sub>6</sub> haloalkylthioalkoxy; C<sub>3</sub>-C<sub>12</sub> dialkoxyalkyl; C<sub>3</sub>-C<sub>12</sub> dialkylthioalkyl; C<sub>3</sub>-C<sub>12</sub> dialkylthioalkoxy; C<sub>3</sub>-C<sub>12</sub> dialkoxyalkoxy; C<sub>2</sub>-C<sub>6</sub> haloalkoxyhaloalkoxy; C<sub>3</sub>-C<sub>10</sub> alkoxyalkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>6</sub> haloalkenyl; C<sub>2</sub>-C<sub>6</sub> alkenyloxy; C<sub>2</sub>-C<sub>6</sub> haloalkenyloxy; C<sub>3</sub>-C<sub>8</sub> alkenyloxyalkoxy; C<sub>3</sub>-C<sub>8</sub> haloalkenyloxyalkoxy; C<sub>2</sub>-C<sub>6</sub> alkynyl; C<sub>2</sub>-C<sub>6</sub> haloalkynyl; C<sub>2</sub>-C<sub>6</sub> alkynyloxy; C<sub>2</sub>-C<sub>6</sub> haloalkynyloxy; C<sub>3</sub>-C<sub>8</sub> alkynyloxyalkoxy; C<sub>3</sub>-C<sub>8</sub> haloalkynyloxyalkoxy; C<sub>3</sub>-C<sub>12</sub> acylaminoalkoxy; C<sub>2</sub>-C<sub>8</sub> alkoxyiminoalkyl; C<sub>2</sub>-C<sub>8</sub> haloalkoxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> alkenyloxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> haloalkenyloxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> alkynyloxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> haloalkynyloxyiminoalkyl; C<sub>5</sub>-C<sub>30</sub> alkoxyalkynyloxy; C<sub>6</sub>-C<sub>12</sub> cycloalkylideneiminoxyalkyl; C<sub>6</sub>-C<sub>12</sub> dialkylideneiminoxyalkyl; —S(O)<sub>m</sub>R<sub>1</sub>; —OS(O)<sub>n</sub>R<sub>1</sub>; —SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>; —CO<sub>2</sub>R<sub>4</sub>; —COR<sub>5</sub>; —CONR<sub>6</sub>R<sub>7</sub>; —CSNR<sub>8</sub>R<sub>9</sub>; —NR<sub>10</sub>R<sub>11</sub>; —

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$\text{NR}_{12}\text{COR}_{13}$ ;  $\text{---NR}_{14}\text{CO}_2\text{R}_{15}$ ;  $\text{---NR}_{16}\text{CONR}_{17}\text{R}_{18}$ ;  $\text{---PO(R}_{19})_2$ ;  $\text{---Q}$ ;  $\text{---ZQ}_1$ ;  $\text{---}$   
 $(\text{CR}_{20}\text{R}_{21})_p\text{Q}_2$ ;  $\text{---Z(CR}_{22}\text{R}_{23})_p\text{Q}_3$ ;  $\text{---(CR}_{24}\text{R}_{25})_p\text{ZQ}_4$ ;  $\text{---(CR}_{26}\text{R}_{27})_p\text{Z(CR}_{29}\text{R}_{29})_q\text{Q}_5$ ;  $\text{---}$   
 $(\text{CR}_{30}\text{R}_{31})_p\text{Z(CR}_{32}\text{R}_{33})_q\text{Z}_1\text{Q}_6$ ;  $\text{---Z}_2(\text{CR}_{34}\text{R}_{35})_p(\text{C=Y})\text{T}$ ;  $\text{---Z}_3(\text{CR}_{36}\text{R}_{37})$ ;  
 $(\text{CR}_{38}\text{R}_{39}=\text{CR}_{40}\text{R}_{41})(\text{C=Y})\text{T}$ ;

-B represents a D-(R<sub>s</sub>)<sub>n</sub> group;

-R represents a hydrogen atom; a linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl group; a linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkyl group; a C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>4</sub>-C<sub>12</sub> cyclo-alkylalkyl group optionally substituted with halogen atoms or C<sub>1</sub>-C<sub>6</sub> alkyl or C<sub>1</sub>-C<sub>6</sub> thioalkyl or C<sub>1</sub>-C<sub>6</sub> alkoxy or C<sub>2</sub>-C<sub>6</sub> alkoxy carbonyl groups; C<sub>2</sub>-C<sub>6</sub> alkenyl groups; C<sub>2</sub>-C<sub>6</sub> alkynyl groups; the latter two groups; in turn; optionally substituted with halogen atoms; a C<sub>5</sub>-C<sub>6</sub> cycloalkenyl group optionally substituted with halogen atoms or C<sub>1</sub>-C<sub>6</sub> alkyl groups; an aryl or arylalkyl group optionally substituted;

-R<sub>1</sub> and R<sub>19</sub> represent a C<sub>1</sub>-C<sub>6</sub> alkyl group or a C<sub>1</sub>-C<sub>6</sub> haloalkyl group; a C<sub>3</sub>-C<sub>6</sub> cycloalkyl group; an aryl group optionally substituted by one or more substituents selected from halogen, NO<sub>2</sub>, CN, CHO, linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl, linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkyl, linear or branched C<sub>1</sub>-C<sub>6</sub> alkoxy, linear or branched C<sub>3</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub> alkoxy carbonyl;

-m is equal to 0, 1 or 2;

-t is equal to 1 or 2;

-R<sub>2</sub>, R<sub>3</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>17</sub> and R<sub>18</sub>, the same or different, represent a hydrogen atom; a linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl group in turn optionally substituted with halogen atoms; a C<sub>1</sub>-C<sub>6</sub> alkoxy group; a C<sub>3</sub>-C<sub>6</sub> cycloalkyl group; an arylalkyl group or an aryl group; said arylalkyl and aryl groups also optionally substituted by

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one or more substituents selected from halogen, NO<sub>2</sub>, CN, CHO, linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl, linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkyl, linear or branched C<sub>1</sub>-C<sub>6</sub> alkoxy, linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub> alkoxy-carbonyl, or, together with the group bonded to the same N atom, they jointly represent a C<sub>2</sub>-C<sub>5</sub> alkylene group;

-R<sub>4</sub>, R<sub>5</sub> and R<sub>42</sub> represent a hydrogen atom; a linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl group in turn optionally substituted with halogen atoms; a C<sub>3</sub>-C<sub>6</sub> alkenyl group in turn optionally substituted with halogen atoms; a Q<sub>7</sub> group, an arylalkyl group optionally substituted by one or more substituents selected from halogen, NO<sub>2</sub>, CN, CHO, linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl, linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkyl, linear or branched C<sub>1</sub>-C<sub>6</sub> alkoxy, linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub> alkoxy-carbonyl;

-R<sub>12</sub>, R<sub>14</sub> and R<sub>16</sub> represent a hydrogen atom; a linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl group in turn optionally substituted with halogen atoms; a C<sub>3</sub>-C<sub>6</sub> cycloalkyl group; a C<sub>1</sub>-C<sub>6</sub> alkoxy group; a C<sub>1</sub>-C<sub>6</sub> haloalkoxy group;

-R<sub>13</sub> and R<sub>15</sub> represent a hydrogen atom; a linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl group in turn optionally substituted with halogen atoms; a C<sub>3</sub>-C<sub>6</sub> alkenyl group in turn optionally substituted with halogen atoms; a Q<sub>7</sub>, NH<sub>2</sub>, NHCN, NHNH<sub>2</sub>, NHOH group, an arylalkyl group optionally substituted by one or more substituents selected from halogen, NO<sub>2</sub>, CN, CHO, linear or branched C<sub>3</sub>-C<sub>6</sub> alkyl, linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkyl, linear or branched C<sub>1</sub>-C<sub>6</sub> alkoxy, linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub> alkoxy-carbonyl;

R<sub>20</sub>, R<sub>21</sub>, R<sub>22</sub>, R<sub>23</sub>, R<sub>24</sub>, R<sub>25</sub>, R<sub>26</sub>, R<sub>27</sub>, R<sub>28</sub>, R<sub>29</sub>, R<sub>30</sub>, R<sub>31</sub>, R<sub>32</sub>, R<sub>33</sub>, R<sub>34</sub>, R<sub>35</sub>, R<sub>36</sub>, R<sub>37</sub>, R<sub>38</sub>, R<sub>39</sub>, R<sub>40</sub> and R<sub>41</sub>, the same or different, represent: a hydrogen atom; a linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl group in turn optionally substituted with halogen atoms; a C<sub>1</sub>-C<sub>6</sub>

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alkoxyl group; or the two groups attached to the same carbon atom can be joined to each other by C<sub>2</sub>-C<sub>3</sub> alkylene groups, the alkylene groups can in turn be substituted with C<sub>1</sub>-C<sub>3</sub> alkyl groups;

-Q<sub>1</sub>, Q<sub>2</sub>, Q<sub>3</sub>, Q<sub>4</sub>, Q<sub>5</sub>, Q<sub>6</sub> and Q<sub>7</sub> represent an aryl group; a C<sub>3</sub>-C<sub>6</sub> cycloalkyl group; a C<sub>3</sub>-C<sub>6</sub> cycloalkenyl group; a heterocyclic group selected from triazolyl; triazolonyl; pyrazolyl; imidazolyl; imidazolidinonyl; tetrazolyl; tetrazolonyl; isoxazolyl; furyl; thienyl; pyrrolyl; pyrrolidinyl; pyrrolidinonyl; pyridyl; pyrimidinyl; pyrimidinonyl; pyrazinyl; pyridazinyl; oxazolyl; thiazolyl; oxadiazolyl; thiadiazolyl; isothiazolyl; benzoxazolyl; benzothiazolyl; isoxazolonyl; 1,3-dioxanyl; 1,4-dioxanyl; 1,3-dioxolanyl; tetrahydropyranlyl; oxethanyl; oxyranyl; thiazolidinyl; oxazolidinyl; piperidinyl; piperidinonyl; piperazinyl; morpholinyl; thiazinyl; tetrahydrofuranyl; dioxazolyl; tetrahydrofuroisoxazolyl; 2-oxa-3-azabicyclo[3.1.0]hex-3-enyl; said groups optionally substituted by one or more substituents selected from halogen: NO<sub>2</sub>; OH; CN; CHO; linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl; linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkyl; linear or branched C<sub>1</sub>-C<sub>6</sub> alkoxy; linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkoxy; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl; C<sub>2</sub>-C<sub>6</sub> alkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> alkylthioalkyl; C<sub>2</sub>-C<sub>6</sub> alkylsulfonalkyl; C<sub>2</sub>-C<sub>6</sub> alkylsulfonylalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylthioalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylsulfonalkyl; C<sub>2</sub>-C<sub>6</sub> alkoxyalkoxy or C<sub>2</sub>-C<sub>6</sub> haloalkoxyalkoxy optionally substituted with a group selected from C<sub>1</sub>-C<sub>4</sub> alkoxy or C<sub>1</sub>-C<sub>4</sub> haloalkoxy; C<sub>2</sub>-C<sub>6</sub> alkylthioalkoxy; C<sub>2</sub>-C<sub>6</sub> haloalkylthioalkoxy; C<sub>3</sub>-C<sub>12</sub> dialkoxyalkyl; C<sub>3</sub>-C<sub>12</sub> dialkylthioalkyl; C<sub>3</sub>-C<sub>12</sub> dialkylthioalkoxy; C<sub>3</sub>-C<sub>12</sub> dialkoxyalkoxy; C<sub>2</sub>-C<sub>6</sub> haloalkoxyhaloalkoxy; C<sub>3</sub>-C<sub>10</sub> alkoxyalkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>6</sub> haloalkenyl; C<sub>2</sub>-C<sub>6</sub> alkenyloxy; C<sub>2</sub>-C<sub>6</sub> haloalkenyloxy; C<sub>3</sub>-C<sub>8</sub> alkenyloxyalkoxy; C<sub>3</sub>-C<sub>8</sub> haloalkenyloxyalkoxy; C<sub>2</sub>-C<sub>6</sub> alkynyl; C<sub>2</sub>-C<sub>6</sub> haloalkynyl; C<sub>2</sub>-C<sub>6</sub> alkynyloxy; C<sub>2</sub>-C<sub>6</sub> haloalkynyloxy; C<sub>3</sub>-C<sub>8</sub> alkynyloxyalkoxy; C<sub>3</sub>-C<sub>8</sub> haloalkynyloxyalkoxy; C<sub>3</sub>-C<sub>12</sub> acylaminoalkoxy; C<sub>2</sub>-C<sub>6</sub> alkoxyiminoalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkoxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> alkenyloxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> haloalkenyloxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> alkynyloxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> haloalkynyloxyiminoalkyl; C<sub>3</sub>-C<sub>10</sub>



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alkoxyalkynyloxy;  $C_6-C_{12}$  cycloalkylideneiminoxyalkyl;  $C_6-C_{12}$  dialkylideneiminoxyalkyl; aryl optionally substituted;  $-S(O)_mR_1$ ;  $-OS(O)_nR_1$ ;  $-SO_2NR_2R_3$ ;  $-CO_2R_4$ ;  $-COR_5$ ;  $-CONR_6R_7$ ;  $-CSNR_8R_9$ ;  $-NR_{10}R_{11}$ ;  $-NR_{12}COR_{13}$ ;  $-NR_{14}CO_2R_{15}$ ;  $-NR_{16}CONR_{17}R_{18}$ ;  $-PO(R_{19})_2$ ;  $-Z_2(CR_{34}R_{35})_v(C=Y)T$ ;  $-Z_3(CR_{36}R_{37})_w(CR_{38}R_{39}=CR_{40}R_{41})(C=Y)T$ ;

$Z_1, Z_2, Z_3=O, S(O)$ ;

$Y=O, S$ ;

$r$  is equal to 0, 1 or 2;

$p, q$  are equal to 1, 2, 3 or 4;

$v$  is equal to 0 or 1;

$Z_3=O, S$  or a direct bond;

$T$  represents: a hydrogen atom; a  $Z_4R_{42}$  group; a  $-NR_{43}R_{44}$  group; an aryl group or a heterocyclic group selected from triazolyl; triazolonyl; pyrazolyl; imidazolyl; imidazolidinonyl; tetrazolyl; tetrazolonyl; pyrrolyl; pyrrolidinyl; pyrrolidinonyl; pyridyl; pyrimidinyl; piperidinyl; piperidinonyl; piperazinyl; morpholinyl; said aryl and heterocyclic groups optionally substituted by one or more substituents selected from halogen;  $NO_2$ ;  $OH$ ;  $CN$ ;  $CHO$ ; linear or branched  $C_1-C_6$  alkyl; linear or branched  $C_1-C_6$  haloalkyl;  $C_3-C_6$  cycloalkyl;  $C_5-C_6$  cycloalkenyl; linear or branched  $C_1-C_6$  alkoxy; linear or branched  $C_1-C_6$  haloalkoxy;  $C_3-C_6$  cyanoalkyl;  $C_2-C_6$  alkoxyalkyl,  $C_2-C_6$  alkylthioalkyl;  $C_1-C_6$  alkylsulfonylalkyl;  $C_2-C_6$  alkylsulfonylalkyl;  $C_1-C_6$  haloalkoxyalkyl;  $C_2-C_6$  haloalkylthioalkyl;  $C_2-C_6$  haloalkylsulfonylalkyl;  $C_2-C_6$  haloalkylsulfonylalkyl;  $-S(O)_mR_1$ ;

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Z<sub>4</sub>=O, S or a direct bond;

R<sub>43</sub> and R<sub>44</sub>, the same or different, represent: a hydrogen atom; a linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl group in turn optionally substituted with halogen atoms; a C<sub>3</sub>-C<sub>6</sub> alkenyl group in turn optionally substituted with halogen atoms; a Q<sub>7</sub> group; an arylalkyl group optionally substituted by one or more substituents selected from halogen; NO<sub>2</sub>; CN; CHO; linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl; linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkyl; linear or branched C<sub>1</sub>-C<sub>6</sub> alkoxy; linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkoxy; C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl; C<sub>2</sub>-C<sub>6</sub> alkoxy carbonyl; or they jointly represent a C<sub>2</sub>-C<sub>6</sub> alkylene chain;

D represents: a heterocyclic group of the heteroaryl or heterocyclic type, in all the above cases the heterocycle can be mono or polycyclic and can be connected to the rest of the structure either through one of its carbon atoms or, when possible, through one of its nitrogen atoms; ~~or it represents a mono or polycyclic aryl group, in this latter case, the group can also be partially saturated;~~

R<sub>x</sub> represents a substituent selected from: hydrogen; halogen; NO<sub>2</sub>; CN; CHO; OH; linear or branched C<sub>1</sub>-C<sub>6</sub> alkyl; linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkyl; linear or branched C<sub>1</sub>-C<sub>6</sub> alkoxy; linear or branched C<sub>1</sub>-C<sub>6</sub> haloalkoxy; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl; C<sub>2</sub>-C<sub>6</sub> alkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> alkylthioalkyl; C<sub>2</sub>-C<sub>6</sub> alkylsulfinylalkyl; C<sub>2</sub>-C<sub>6</sub> alkylsulfonylalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylthioalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylsulfinylalkyl; C<sub>2</sub>-C<sub>6</sub> haloalkylsulfonylalkyl; C<sub>2</sub>-C<sub>6</sub> alkoxyalkoxy or C<sub>2</sub>-C<sub>6</sub> haloalkoxyalkoxy optionally substituted with a group selected from C<sub>1</sub>-C<sub>4</sub> alkoxy or C<sub>1</sub>-C<sub>4</sub> haloalkoxy; C<sub>2</sub>-C<sub>6</sub> haloalkylthioalkoxy; C<sub>3</sub>-C<sub>12</sub> dialkoxyalkyl; C<sub>3</sub>-C<sub>12</sub> dialkylthioalkyl; C<sub>3</sub>-C<sub>12</sub> dialkylthioalkoxy; C<sub>3</sub>-C<sub>12</sub> dialkoxyalkoxy; C<sub>2</sub>-C<sub>6</sub> haloalkoxyhaloalkoxy; C<sub>3</sub>-C<sub>10</sub> alkoxyalkoxyalkyl; C<sub>2</sub>-C<sub>6</sub> alkenyl; C<sub>2</sub>-C<sub>6</sub> haloalkenyl; C<sub>2</sub>-C<sub>6</sub> alkenyloxy; C<sub>2</sub>-C<sub>6</sub> haloalkenyloxy; C<sub>3</sub>-C<sub>8</sub> alkenyloxyalkoxy; C<sub>3</sub>-C<sub>8</sub> haloalkenyloxyalkoxy; C<sub>2</sub>-C<sub>6</sub> alkynyl; C<sub>2</sub>-C<sub>6</sub> haloalkynyl; C<sub>2</sub>-C<sub>6</sub> alkynyloxy; C<sub>2</sub>-C<sub>6</sub> haloalkynyloxy; C<sub>3</sub>-C<sub>8</sub>

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alkynyloxyalkoxy; C<sub>3</sub>-C<sub>8</sub> haloalkynyloxyalkoxy; C<sub>3</sub>-C<sub>12</sub> acylaminoalkoxy; C<sub>2</sub>-C<sub>8</sub> alkoxyiminoalkyl; C<sub>2</sub>-C<sub>8</sub> haloalkoxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> alkenyloxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> haloalkenyloxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> alkynyloxyiminoalkyl; C<sub>3</sub>-C<sub>8</sub> haloalkynyloxyiminoalkyl; C<sub>5</sub>-C<sub>10</sub> alkoxyalkynyloxy; C<sub>6</sub>-C<sub>12</sub> cycloalkylideneiminoalkoxy; C<sub>6</sub>-C<sub>12</sub> dialkylideneiminoalkoxy; —S(O)<sub>n</sub>R<sub>1</sub>; —OS(O)<sub>n</sub>R<sub>1</sub>; —SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>; —CO<sub>2</sub>R<sub>4</sub>; —COR<sub>5</sub>; —CONR<sub>6</sub>R<sub>7</sub>; —CSNR<sub>8</sub>R<sub>9</sub>; —NR<sub>10</sub>R<sub>11</sub>; —NR<sub>12</sub>COR<sub>13</sub>; —NR<sub>14</sub>CO<sub>2</sub>R<sub>15</sub>; —NR<sub>16</sub>CONR<sub>17</sub>R<sub>18</sub>; —PO(R<sub>19</sub>)<sub>2</sub>; —Q; —ZQ<sub>1</sub>; —(CR<sub>20</sub>R<sub>21</sub>)<sub>p</sub>Q<sub>2</sub>; —Z(CR<sub>22</sub>R<sub>23</sub>)<sub>p</sub>Q<sub>3</sub>; —(CR<sub>24</sub>R<sub>25</sub>)<sub>p</sub>ZQ<sub>4</sub>; —(CR<sub>26</sub>R<sub>27</sub>)<sub>p</sub>Z(CR<sub>28</sub>R<sub>29</sub>)<sub>q</sub>Q<sub>5</sub>; —(CR<sub>30</sub>R<sub>31</sub>)<sub>p</sub>Z(CR<sub>32</sub>R<sub>33</sub>)<sub>q</sub>Z<sub>1</sub>Q<sub>6</sub>; —Z<sub>2</sub>(CR<sub>34</sub>R<sub>35</sub>)<sub>o</sub>(C=Y)T; —Z<sub>3</sub>(CR<sub>36</sub>R<sub>37</sub>)<sub>l</sub>(CR<sub>38</sub>R<sub>39</sub>=CR<sub>40</sub>R<sub>41</sub>)(C=Y)T; if several R<sub>x</sub> groups are present, these can be the same or different;

n=1-9;

excluding the following compounds having general formula (I) wherein A, B and R have the following meanings: A=4-chlorophenyl, B=1-methylimidazol-2-yl, R=H; A=4-nitrophenyl, B=1-(2-hydroxyethyl)-5-nitroimidazol-2-yl, R=H; A=phenyl, B=1H-benzimidazol-2-yl, R=C<sub>2</sub>H<sub>5</sub>; A=phenyl, B=4H-1-benzopyran-4-yl, R=CH<sub>3</sub>; A=4-nitrophenyl, B=3-(4-methylphenyl)-1,2,4-oxadiazol-5-yl, R=CH<sub>3</sub>; A=phenyl, B=4-chloro-2,5-dioxo-2,5-dihydro-1H-pyrral-3-yl, R=CH<sub>3</sub>; A=phenyl, B=2-acetyl-1,2,3,4-tetrahydroisoquinolin-1-yl, R=C<sub>2</sub>H<sub>5</sub>; A=2-hydroxy-4-methoxyphenyl, B=thiazol-4-yl, R=CH<sub>3</sub>; A=phenyl, B=2,5-diphenyl-1,3-oxathiol-2-yl, R=CH<sub>3</sub>; A=4-nitrophenyl, B=4,6-bis(dimethylamino)-1,3,5-triazin-2-yl, R=CH<sub>3</sub>; A=phenyl, B=furan-2-yl, R=CH<sub>3</sub>; A=phenyl, B=1,3-dithian-2-yl, R=CH<sub>3</sub>; A=phenyl, B=4-chlorothiien-2-yl, R=H; A=phenyl, B=5-bromothiien-2-yl, R=H; A=phenyl, B=5-methylthien-2-yl, R=H; A=phenyl, B=6-phenylpyrazin-2-yl, R=CH<sub>3</sub>; A=phenyl, B=3,4-dihydro-3-methyl-2-oxo-2H-1,3-benzo-oxazin-4-yl, R=CH<sub>3</sub>; A=phenyl, B=benzothiazol-2-yl, R=CH<sub>3</sub>; A=2-hydroxy-4-methoxyphenyl, B=2-phenylthiazol-4-yl, R=CH<sub>3</sub>; A=phenyl, B=5-methylfuran-2-yl, R=CH<sub>3</sub>; A=phenyl, B=3-(4-methylphenyl)-1,2,4-oxadiazol-5-yl, R=CH<sub>3</sub>; A=phenyl, B=tetrahydrofuran-2-yl,

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R=CH<sub>3</sub>; A=phenyl, B=2,3-dihydro-3-hydroxy-2-oxo-1H-indol-3-yl, R=CH<sub>3</sub>,  
 A=phenyl, B=4-chloro-1-methyl-2,5-dioxo-2,5-dihydro-pyrrol-3-yl, R=CH<sub>3</sub>;  
 A=phenyl, B=22-trifluoroacetyl-1,2,3,4-tetrahydroiso-quinolin-1-yl, R=C<sub>2</sub>H<sub>5</sub>;  
 A=phenyl, B=2-acetyl-1,2,3,4-tetrahydroisoquinolin-1-yl, R=CH<sub>3</sub>;  
 A=4-nitrophenyl, B=2-(4-nitrophenyl)-3,5,6-triphenyl-pyridin-4-yl, R=CH<sub>3</sub>;  
 A=phenyl, B=4,6-bis(dimethylamino)-1,3,5-triazin-2-yl, R=CH<sub>3</sub>;  
 A=phenyl, B=4-methoxy-5-tert-butoxycarbonyl-1H-pyrro-2-yl, R=CH<sub>3</sub>;  
 A=phenyl, B=1,3-dihydro-3-oxo-isobenzofuran-1-yl, R=CH<sub>3</sub>; A=phenyl, B=(5-methoxycarbonylmethyl)thien-2-yl, R=H; A=phenyl, B=4-methylthien-2-yl, R=H;  
 A=phenyl, B=1,4-dihydro-1-methyl-3-nitroquinolin-4-yl, R=H; A=phenyl, B=thien-2-yl, R=H; A=phenyl, B=6-methylbenzothiazol-2-yl, R=CH<sub>3</sub>; A=2-methoxycarbonylphenyl, B=phenyl, R=CH<sub>3</sub>; A=2-benzyloxy-4-methoxyphenyl, B=2,3,4-trimethoxyphenyl, R=H; A=4,5-dimethoxy-2-nitrophenyl, B=3,4-dimethoxyphenyl, R=H; A=2-nitrophenyl, B=phenyl, R=H; A=2,4,5-trimethoxyphenyl, B=4-methoxyphenyl, R=H; A=4-bromophenyl, B=phenyl, R=H;  
 A=4-bromophenyl, B=2,4-dinitrophenyl, R=CH<sub>3</sub>; A=4-chlorophenyl, B=phenyl, R=H; A=2,4-dibenzyloxy-5-methoxyphenyl, B=1,3-benzodioxol-5-yl, R=H;  
 A=2,4-dibenzyloxyphenyl, B=1,3-benzodioxol-5-yl, R=H; A=4-methoxyphenyl, B=2-carboxyphenyl, R=H; A=4-methylphenyl, B=2,4-dinitrophenyl, R=CH<sub>3</sub>; A=4-hydroxy-3-methoxyphenyl, B=4-hydroxy-3-methoxyphenyl, R=H; A=2-nitrophenyl, B=4-methylphenyl, R=H; A=4-chlorophenyl, B=4-chlorophenyl, R=H; A=2,4-diacetoxyphenyl, B=phenyl, R=CH<sub>3</sub>; A=3-methoxyphenyl, B=phenyl, R=C<sub>2</sub>H<sub>5</sub>;  
 A=4-nitrophenyl, B=phenyl, R=H; A=2-nitrophenyl, B=4-n-butoxyphenyl, R=H;  
 A=2-nitro-4-chlorophenyl, B=4-methylphenyl, R=H; A=phenyl, B=8-carboxynaphthalenyl, R=CH<sub>3</sub>; A=2,5-dimethoxyphenyl, B=2-hydroxyphenyl, R=C<sub>2</sub>H<sub>5</sub>; A=4-fluorophenyl, B=2-nitro-4-trifluoromethylphenyl, R=CH<sub>3</sub>;  
 A=3-chloro-4-methylphenyl, B=2,4-dinitrophenyl, R=CH<sub>3</sub>; A=2-nitro-4-chlorophenyl, B=phenyl, R=H; A=4,5-dimethoxy-2-nitrophenyl, B=4-methylphenyl, R=H; A=2-carboxy-6-nitrophenyl, B=phenyl, R=CH<sub>3</sub>; A=2,4,5-trimethoxyphenyl,

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B=3-methoxyphenyl, R=H; A=phenyl, B=4-bromophenyl, R=H; A=6-benzyloxy-2,3,4-trimethoxyphenyl, B=1,3-benzodioxol-5-yl, R=H; A=4,5-dimethoxy-2-nitrophenyl, B=4-methoxyphenyl, R=H; A=4,5-dimethoxy-2-nitrophenyl, B=4-chlorophenyl, R=H; A=2,4-dibenzoyloxyphenyl, B=4-methoxyphenyl, R=H; A=4-methylphenyl, B=4-methylphenyl, R=H; A=4-dimethylaminophenyl, B=phenyl, R=H; A=4-methoxyphenyl, B=phenyl, R=H; A=4,5-dichloro-2-nitrophenyl, B=4-chlorophenyl, R=H; A=2-nitrophenyl, B=4-methoxyphenyl, R=H; A=phenyl, B=2,5-dimethoxycarbonylaminophenyl, R=CH<sub>3</sub>; A=4-hydroxy-4-methoxyphenyl, B=2-methoxyphenyl, R=H; A=phenyl, B=4-methylphenyl, R=H; A=2-nitrophenyl, B=4-ethoxyphenyl, R=H; A=2-nitro-4-chlorophenyl, B=4-methoxyphenyl, R=H; A=4-chlorophenyl, B=phenyl, R=C<sub>2</sub>H<sub>5</sub>; A=2-*t*-butoxycarbonyl-5-ethyl-4-methoxyphenyl, B=2,3-dihydro-7-methyl-1,4-benzodioxin-6-yl, R=*t*-butyl; A=phenyl, B=2-nitro-4-trifluoromethylphenyl, R=CH<sub>3</sub>; A=3,4-dichlorophenyl, B=2,4-dinitrophenyl, R=CH<sub>3</sub>; A=4,5-dichloro-2-nitrophenyl, B=4-methoxyphenyl, R=H; A=4-methoxy-2-nitrophenyl, B=4-methylphenyl, R=H; A=phenyl, B=anthracene-9-yl, R=CH<sub>3</sub>; A=phenyl, B=4-methoxyphenyl, R=H; A=2,4,5-trimethoxyphenyl, B=phenyl, R=H; A=2,4-diacetoxypheyl, B=2,4,5-trimethoxyphenyl, R=CH<sub>3</sub>; A=2-hydroxyphenyl, B=phenyl, R=H; A=4-methoxy-2-nitrophenyl, B=phenyl, R=H; A=4,5-dimethoxy-2-nitrophenyl, B=phenyl, R=H; A=2,4-dinitrophenyl, B=phenyl, R=CH<sub>3</sub>; A=phenyl, B=phenyl, R=CH<sub>3</sub>; A=phenyl, B=4-dimethylaminophenyl, R=H; A=phenyl, B=2,4-dinitrophenyl, R=CH<sub>3</sub>; A=4,5-dichloro-2-nitrophenyl, B=4-methylphenyl, R=H; A=4-bromophenyl, B=phenyl, R=CH<sub>3</sub>; A=2-(4-methylphenylsulfonyloxy)-6-methoxyphenyl, B=phenyl, R=H; A=4-methylsulfonylphenyl, B=2-methoxyphenyl, R=CH<sub>3</sub>; A=4-methoxyphenyl, B=4-methoxyphenyl, R=CH<sub>3</sub>; A=phenyl, B=4-chlorophenyl, R=H; A=2-nitrophenyl, B=4-nitrophenyl, R=H; A=phenyl, B=phenyl, R=H; A=2,4-dimethoxyphenyl, B=4-methoxyphenyl, R=H; A=2-nitrophenyl, B=4-*n*-hexyloxyphenyl, R=H; A=4-methoxy-2-nitrophenyl, B=4-methoxyphenyl, R=H; A=phenyl, B=9-carboxyphenanthren-10-yl, R=CH<sub>3</sub>;

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A=phenyl, B=phenyl, R=CH<sub>3</sub>; A=3,4-dimethoxyphenyl, B=3,4-dimethoxyphenyl, R=H; A=2,4-dimethoxyphenyl, B=phenyl, R=H; A=phenyl, B=2-hydroxy-3,4,6-trimethyl-5-methoxyphenyl, R=CH<sub>3</sub>; A=4-chloro-2-nitrophenyl, B=4-chlorophenyl, R=H; A=2-nitrophenyl, B=4-chlorophenyl, R=H; A=2,4,5-trimethoxyphenyl, B=3,4-dimethoxyphenyl, R=H; A=4-chlorophenyl, B=2,4-dinitrophenyl, R=CH<sub>3</sub>; A=4,5-dichloro-2-nitrophenyl, B=phenyl, R=H; A=4-methoxyphenyl, B=phenyl, R=CH<sub>3</sub>; A=2,4-dibenzyloxyphenyl, B=3,4-dimethoxyphenyl, R=H; A=4-methylthiophenyl, B=4-methoxyphenyl, R=CH<sub>3</sub>; A=phenyl, B=phenyl, R=C<sub>2</sub>H<sub>5</sub>; A=4-methoxyphenyl, B=2,4-dinitrophenyl, R=CH<sub>3</sub>; A=2-nitrophenyl, B=3-chlorophenyl, R=H; A=2-nitrophenyl, B=3,4-dimethoxyphenyl, R=H; A=4-methoxyphenyl, B=4-methoxyphenyl, R=H; A=2-hydroxyphenyl, B=4-methoxyphenyl, R=H; A=phenyl, B=2,5-bis(phenacylamino)phenyl, R=CH<sub>3</sub>; A=4-nitrophenyl, B=4-methylphenyl, R=H; A=2-nitrophenyl, B=4-n-pentyloxyphenyl, R=H; A=4-methoxy-2-nitrophenyl, B=4-chlorophenyl, R=H; A=phenyl, B=2-carboxynaphthalen-1-yl, R=CH<sub>3</sub>.

18 (Canceled):